

*All About Handcuffs...
and Handcuff Keys*



Our German Friends

Ray from SSDeV



Our German Friends

Dutch Police LIPS Cuffs



Our German Friends

Dutch Police LIPS Key



Our German Friends

Dutch Police LIPS Key



Our German Friends

Dutch Police LIPS Key



Our German Friends

Download your own copy! <http://ke.y.nu>



Our German Friends

Airline Restraint Systems



Our Dutch Friends

Dutch Police LIPS Cuffs



The Deal with Heavy Handcuffs



Heavy Duty Handcuffs

Clejuso Model 13s



Heavy Duty Handcuffs

Clejuso Model 13s



Heavy Duty Handcuffs

Clejuso Model 13s



Heavy Duty Handcuffs

Clejuso Model 13s



Heavy Duty Handcuffs

Clejuso Model 13s



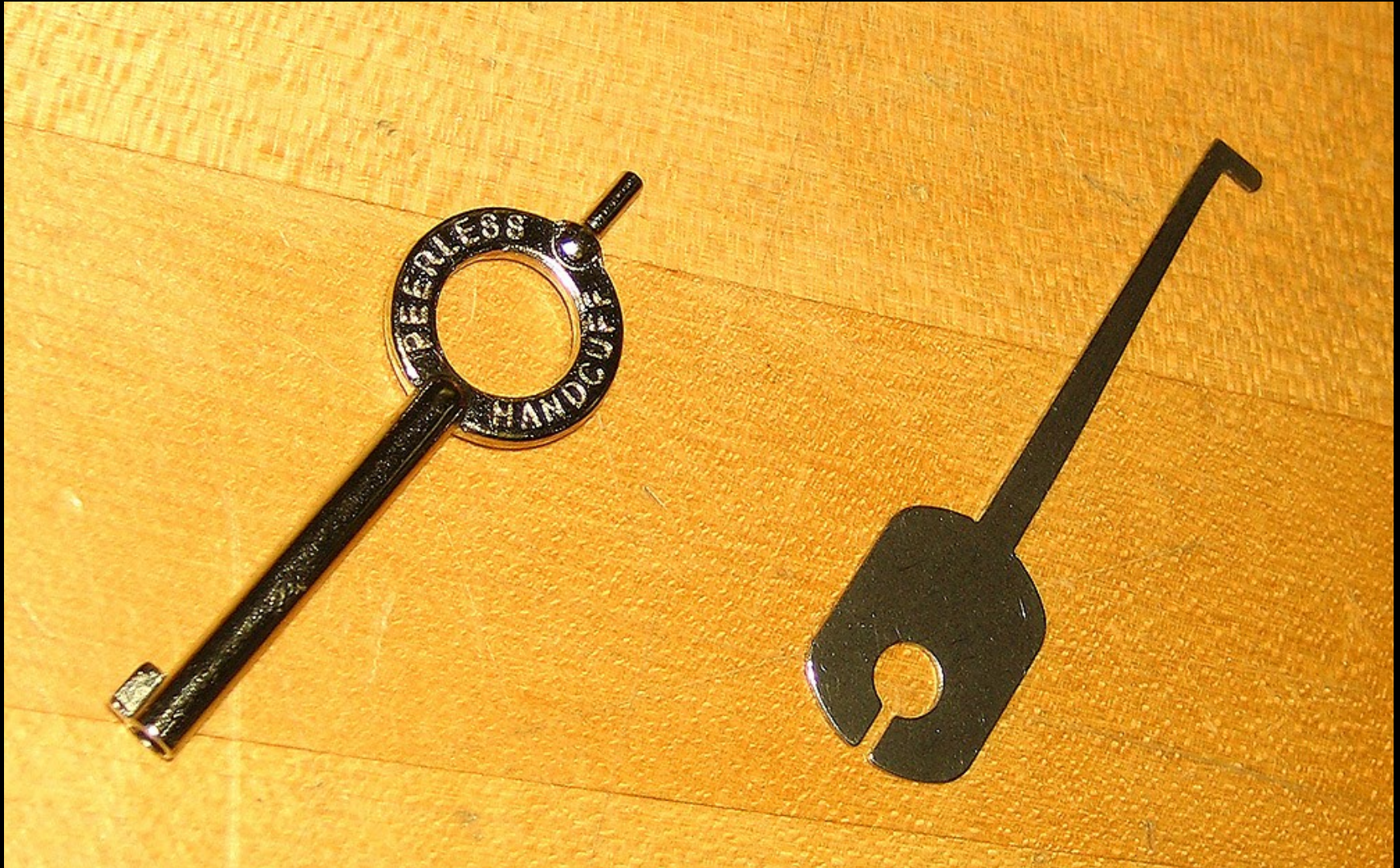
Heavy Duty Handcuffs

Clejuso Model 13s



Heavy Duty Handcuffs

Clejuso Model 13s



A Look at “Typical” Handcuffs



Typical Handcuffs

Simple Design



Typical Handcuffs

Few Moving Parts



Typical Handcuffs



Typical Handcuffs



Typical Handcuffs



Typical Handcuffs



Typical Handcuffs



Typical Handcuffs

videos explain further



Opening & Closing
Shimming
Double Lock

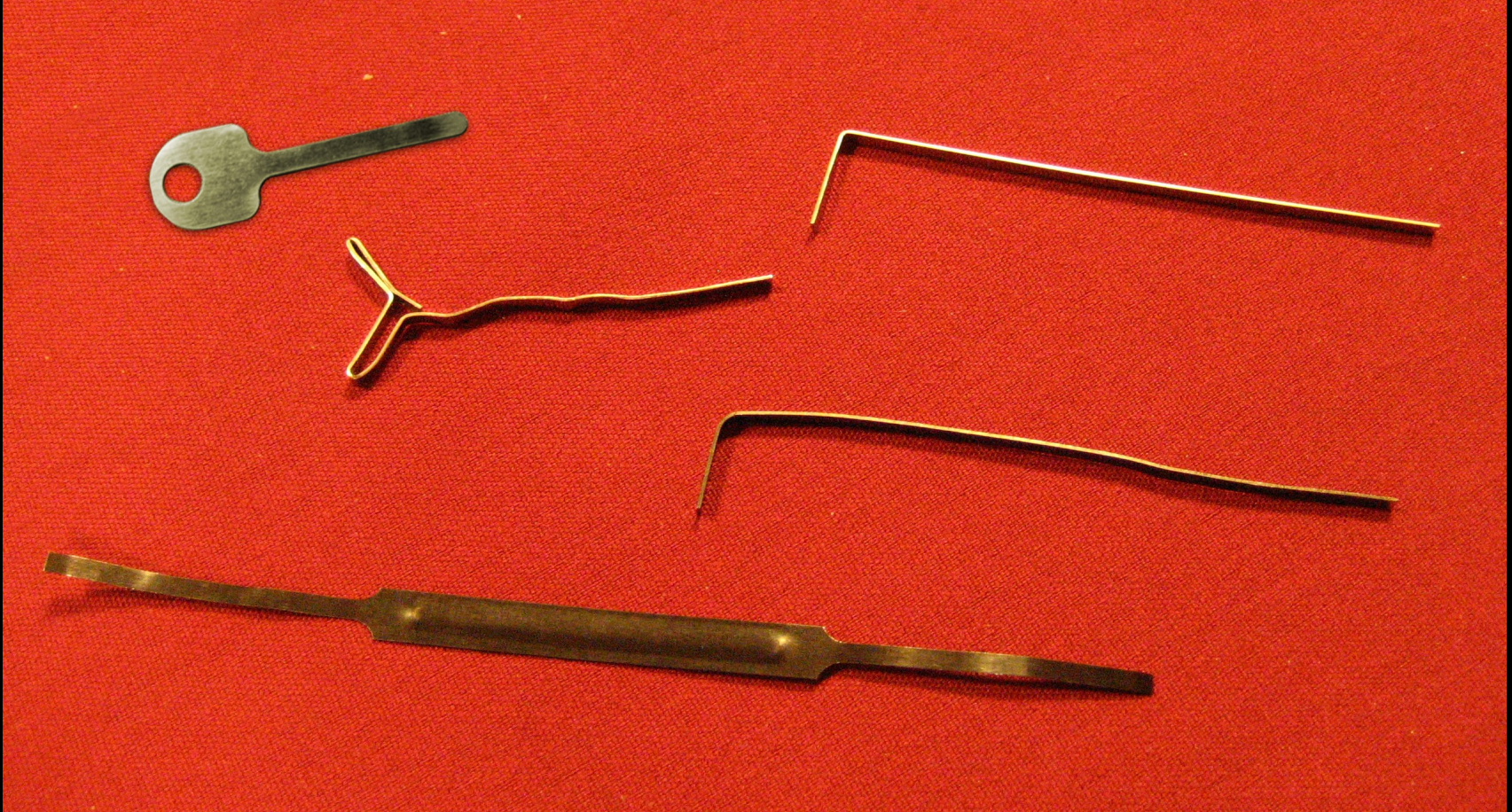
Escaping Handcuffs

Escape Demos



Escaping Handcuffs

Shimming



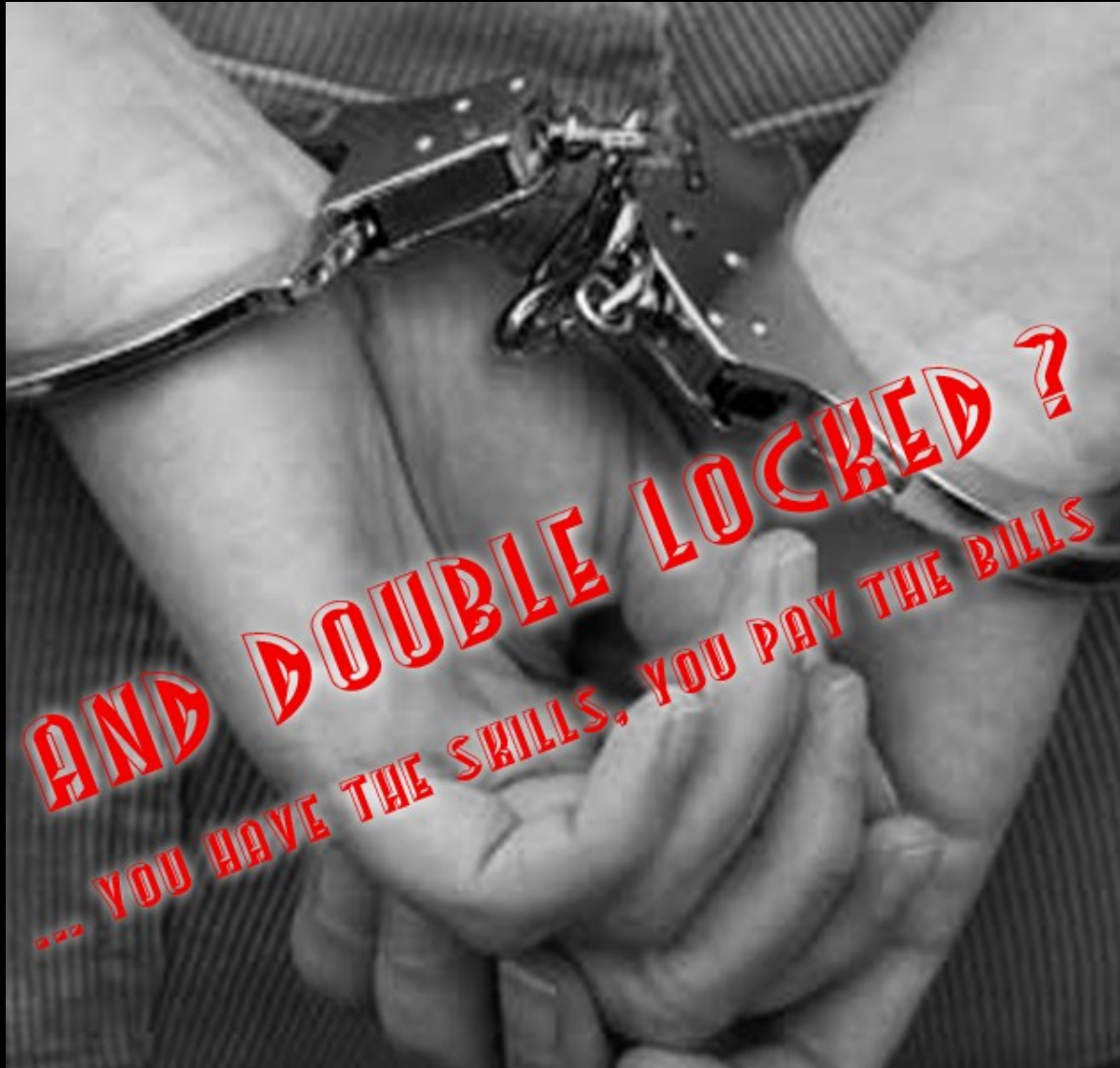
Escaping Handcuffs

More Escape Demos



Escaping Handcuffs

More Escape Demos



Escaping Handcuffs

My Favorite Escape Video Ever...



17:00

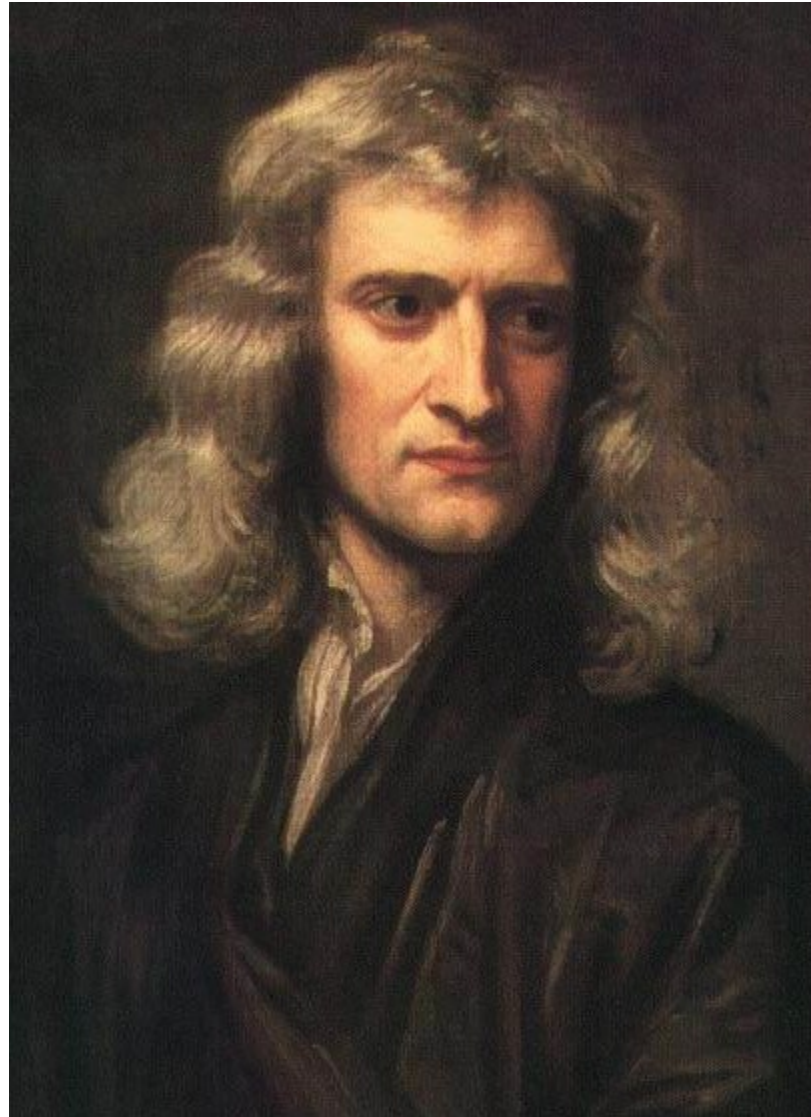
About That Double Lock...



About that Double-Lock

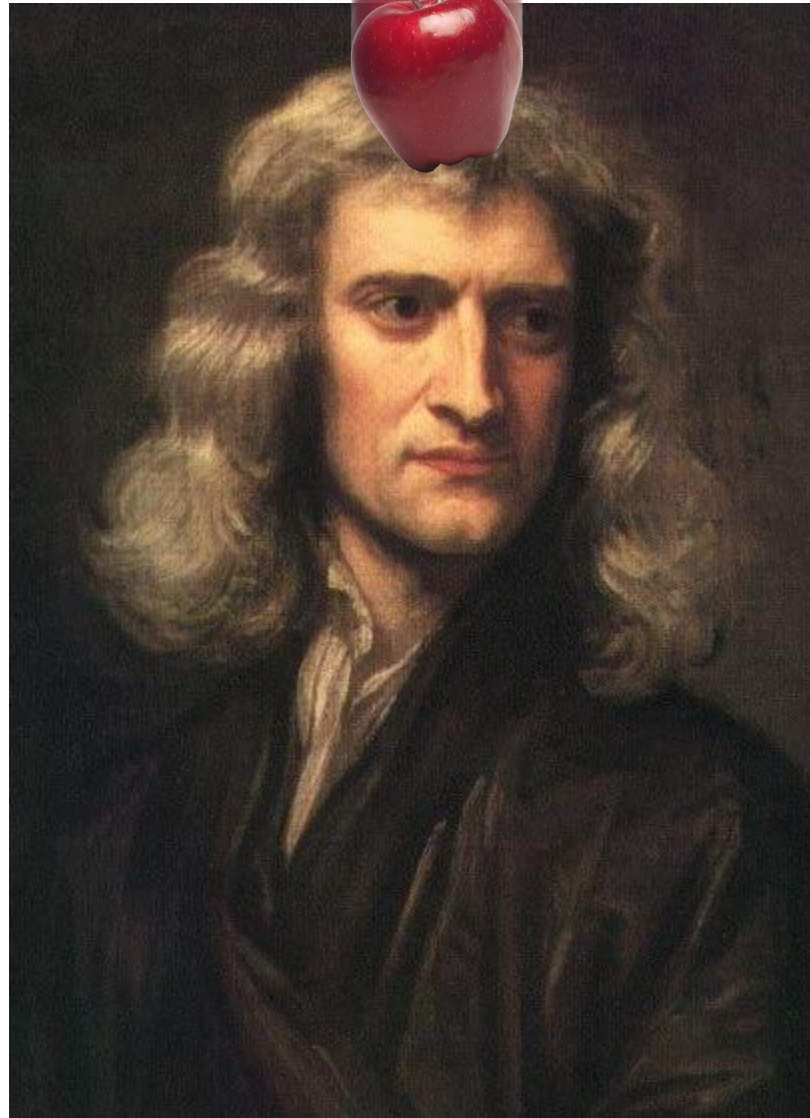


About that Double- Lock...



Tran

About that Double- Lock...



About that Double- Lock "Whack Attack"



About that Double- Lock ASP Handcuffs



About that Double-

ASP Handcuffs



About that Double-

Yuil Handcuffs



“High Security” Through Keys

Medeco or ASSA Desmo

Peerless



About that Double-

Clejuso German Police Issue Cuffs



Heavy Duty Handcuffs

Clejuso Police Cuffs



A Korean “High Security”

Kyong Chang



Ray

A Korean “High Security”

Kyung Chang



Ray

Better Quality “Typical” Cuffs



Tighter Tolerances

Peerless. Smith & Wesson. Republic Arms. Safariland



Higher Security in “Typical” Cuffs



Better Quality Cuffs

Multiple Pawls – Hiatts/Safariland, ASP, Chicago, etc.



Better Quality Cuffs

Multiple Pawls – Kyoung Chang



Better Quality Cuffs

Multiple Pawls and Blocking Blades - Yuil



Better Quality Cuffs

Multiple Pawls and Blocking Blades - Yuil



Better Quality Cuffs

Multiple Pawls and Blocking Blades - Yuil



Better Quality Cuffs

Multiple Pawls and Blocking Blades - Yuil



Better Quality Cuffs

Multiple Pawls and Blocking Blades - Yuil



Better Quality Cuffs

Multiple Pawls and Blocking Blades - Yuil



Better Quality Cuffs

Multiple Pawls and Blocking Blades - Yuil



Better Quality Cuffs

CP & DC949



Better Quality Cuffs

Phil801 & OnPoint Tactical



Better Quality Cuffs

Phil801 & OnPoint Tactical



Better Quality Cuffs

Phil801 & OnPoint Tactical



Better Quality Cuffs

Crazy Fucking Shit - Latest Generation Yuil



Better Quality Cuffs

Crazy Fucking Shit - Latest Generation Yuil



Better Quality Cuffs

Crazy Fucking Shit - Latest Generation Yuil



Better Quality Cuffs

Crazy Fucking Shit - Latest Generation Yuil



One More Handcuff Defeat...



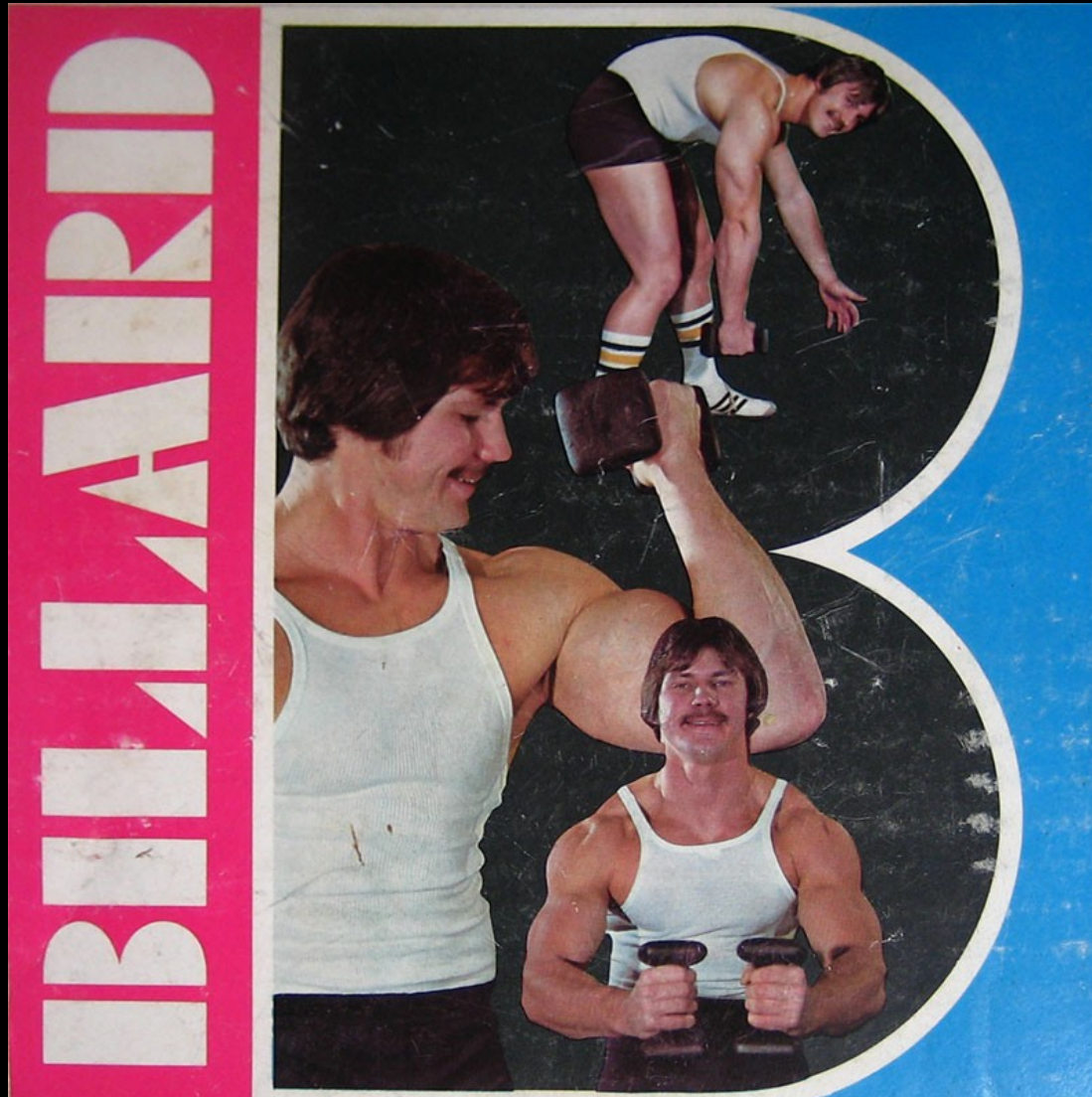
Handcuff Breaking

Kelly Alwood - Another Fellow from OnPoint Tactical



Handcuff Breaking

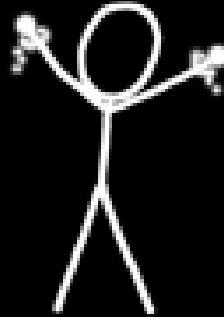
You Don't Need to be This Guy



Handcuff Breaking

It's all Just Physics...

STAND BACK

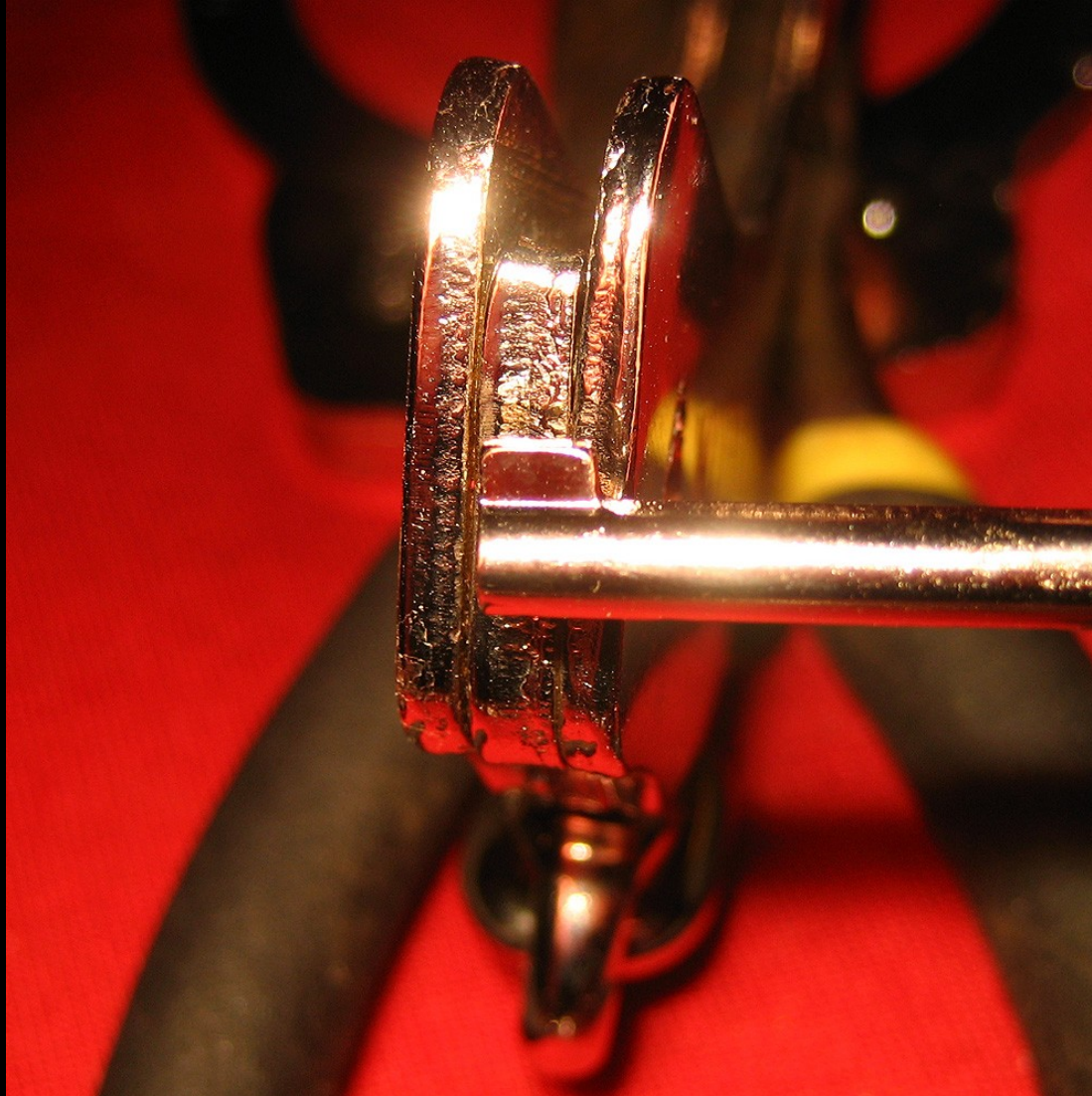


I'M GOING TO TRY
SCIENCE

Variations in Design Cause Trouble

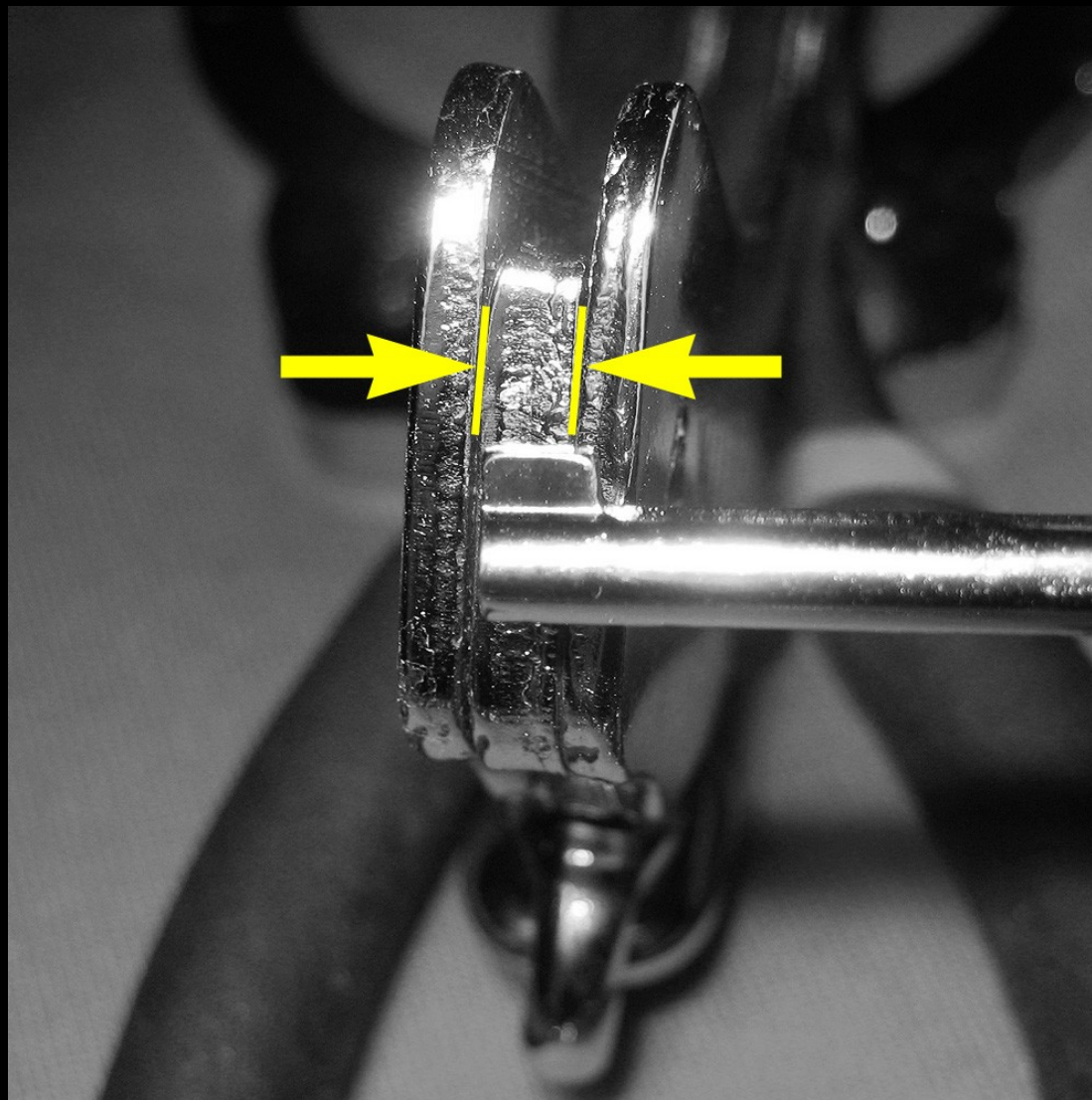


Body is very narrow...

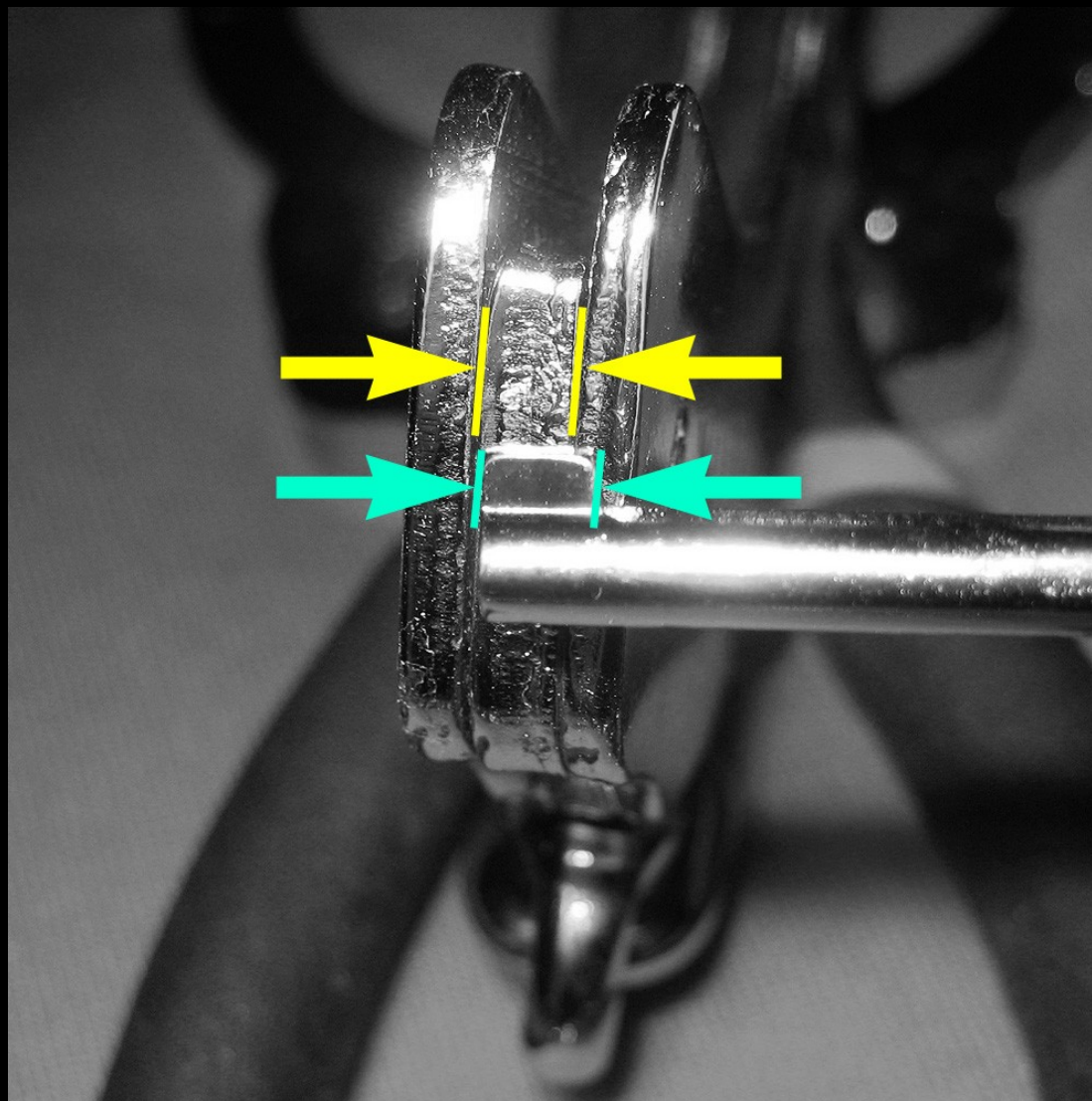


Consider Valor Brand Handcuffs

Body is very narrow...



Body is very narrow... Typical keys are too wide at the blade



Narrow Handcuffs ?

One Proposed Solution... Narrower Keys

Handcuff Keys - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://www.handcuffwarehouse.com/handcuffkeys1.html

Go

Handcuff Keys

The Ultimate Source for Restraints

[Home](#) » [Handcuff Keys](#)

Handcuff Keys

We stock Smith & Wesson handcuff keys, Peerless handcuff keys, Hiatt handcuff keys, ASP handcuff keys, Safariland handcuff keys, and much more. We stock handcuff keys for all of the handcuffs we sell.



Results Per Page: [12](#) [24](#) [View All 66](#)

	American Universal Handcuff Key Our price: \$0.77		Smith & Wesson Standard Handcuff Key Our price: \$1.50
	Smith & Wesson Model 104K Max Security Handcuff Key Our price: \$3.39		Peerless Standard Handcuff Key Our price: \$1.25
	Peerless Oversized Handcuff Key Our price: \$8.99		Hiatts Model SK5 Swivel Handcuff Key Our price: \$5.80

http://www.handcuffwarehouse.com/American-Handcuff-Key.html

32° F | 86%

Narrow Handcuffs ?

One Proposed Solution... Narrower Keys

Handcuff Keys - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://www.handcuffwarehouse.com/handcuffkeys1.html

Handcuff Keys

The Ultimate Source for Restraints

[Home](#) » [Handcuff Keys](#)

Handcuff Keys

We stock Smith & Wesson handcuff keys, Peerless handcuff keys, Hiatt handcuff keys, ASP handcuff keys, Sefarland handcuff keys, and much more. We stock handcuff keys for all of the handcuffs we sell.



American Universal Handcuff Key

Our price: \$0.77

[View All 56](#)

[Handcuff Key](#)
Our price: \$3.39

[Handcuff Key](#)
Our price: \$1.25

[Peerless Oversized Handcuff Key](#)
Our price: \$8.99

[Hiatts Model SK5 Swivel Handcuff Key](#)
Our price: \$5.80

[Hiatt Deluxe Handcuff](#)

[Hiatt Model SK 2](#)

ASP Handcuffs
Chicago Handcuff Company
The Grip Restraint System
Hiatt Handcuffs
Humane Restraint
Peerless Handcuff Company
Pose:
Ripp
Safar
Smitt
Thon
(Hiatt
Wincl
Inter
High
Leg I
Rest
Gang
Thun
Disposable Restraints
Handcuff Keys
Handcuff Cases
Zak Tool
Accessories
Training/Books/Videos
Gold Handcuffs
Darby Style Restraints
Discontinued Items
What's New
Refused Items & Policies

http://www.handcuffwarehouse.com/American-Handcuff-Key.html

32° F | 86%

Remember the Kyoung Chang Tool

Multiple Pawls, Typical Keys are Too Narrow



So, We Had an Idea ...



We Had An Idea...

Last TOOOL New Jersey meeting of 2009



We Had An Idea...

We all brought our cuffs



We Had An Idea...

We all brought our cuffs



We Had An Idea...

We also had a lot of keys



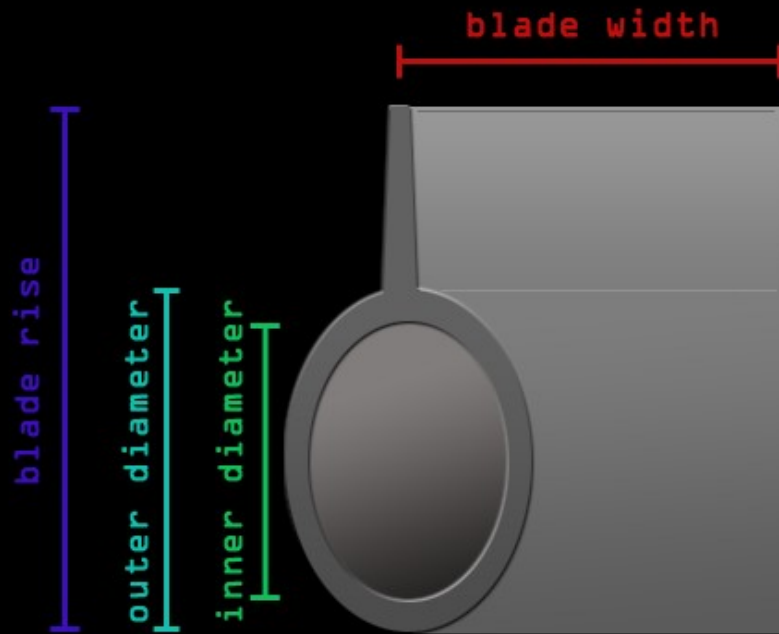
We Had An Idea...

We started taking measurements



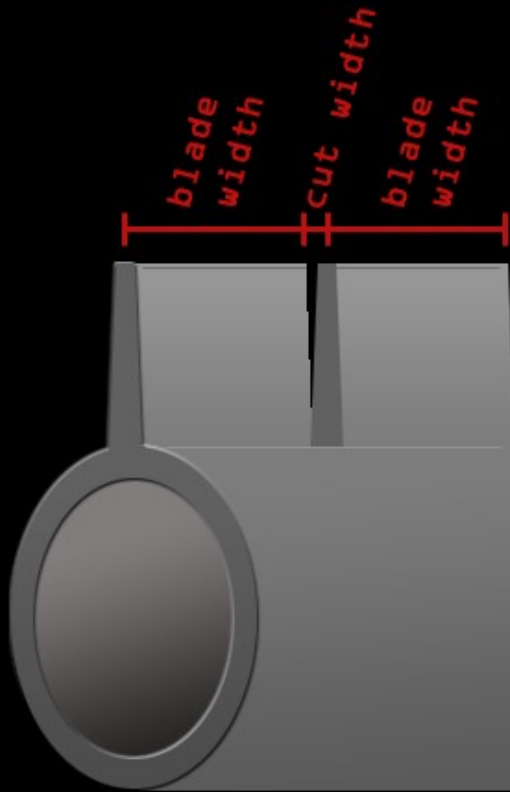
We Had An Idea...

Four typical key properties



We Had An Idea...

Split keys have some additional measurements



What Did We Create ?

i made full table of all cuff and key sizes, highlighting outliers

Microsoft Excel - handcuff data.xls

Type a question for help

	A	B	C	D	E	F	G	H
1	make	model	key blade width	key blade rise	outer diameter	inner diameter	protections	
2	"standard"	no name	3.2	5.1	3.4	2.8	n/a	
3	ASP	black tactical	3.3	5.3	3.2	2.5	two levers, anti-pick/proprietary block	1.2, .9, 1.2
4	chicago	X55	3.4	5.1	3.4	2.9	two levers	
5	hiatts	silver, plain	3.7	4.8	3.4	2.6	two levers, very stiff	
6	hiatts	speedcuffs	3.7	4.8	3.4	2.6	three levers, very stiff	
7	kyungchang	kcg	4.1	5.6	3.5	2.8	three levers with spacers	
8	peerless	700	3.4	5.1	3.4	2.8	super heavy spring, center keyway	
9	republic arms		3.4	5.1	3.3	2.7	two levers	
10	smith & wesson	standard	3.1	5.5	3.5	2.8	tight engineering	
11	valor	baloney cuffs	2.8	5.2	3.5	2.6	hal	
12	winchester	wn-40	3.4	5.2	3.45	2.7	two levers	
13	yuil	m-09	3.9	5.75	3.9	2.5	two levers, major anti-shim blocker	1.45, 1, 1.45
14	yuil	m-03	3.9	5.75	3.9	2.5	two levers, anti-shim blocker	1.45, 1, 1.45
15	zak	2-in-1 tool	3.4	5.0	3.45	2.95	n/a	
16								
17	average		3.48	5.24	3.48	2.70		
18	max		4.10	5.75	3.90	2.95		
19	min		2.80	4.80	3.20	2.50		
20	range		1.30	0.95	0.70	0.45		
21	low diff		0.68	0.44	0.28	0.20		
22	high diff		0.62	0.51	0.42	0.25		
23								

Sheet1 Sheet2 Sheet3

Ready NUM

So, Is There an “Ideal” Key ?

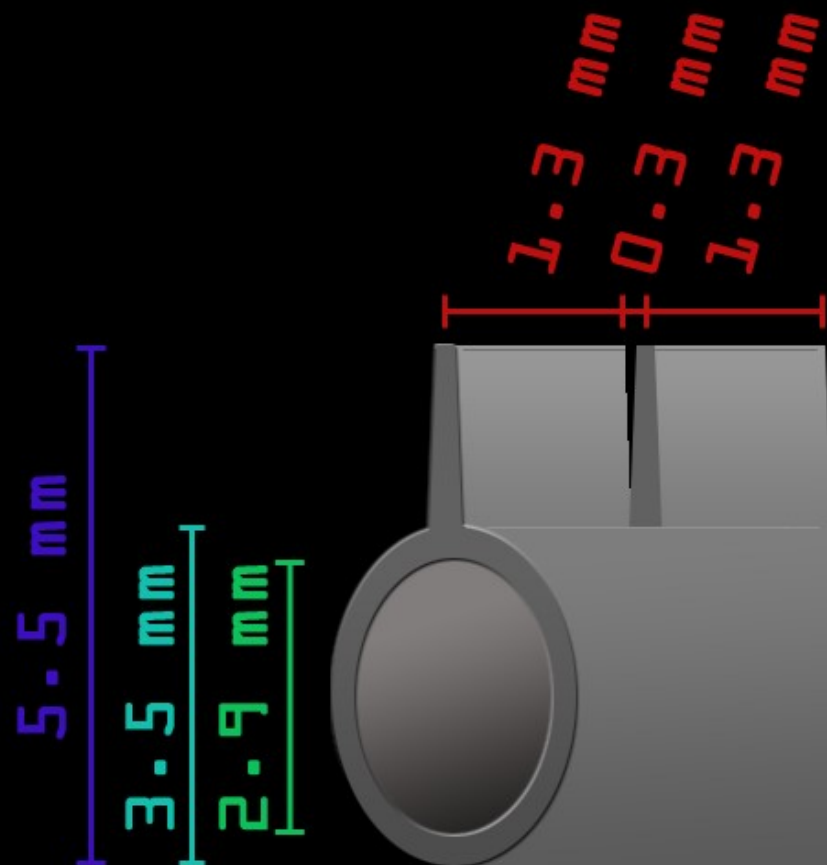


Yes!

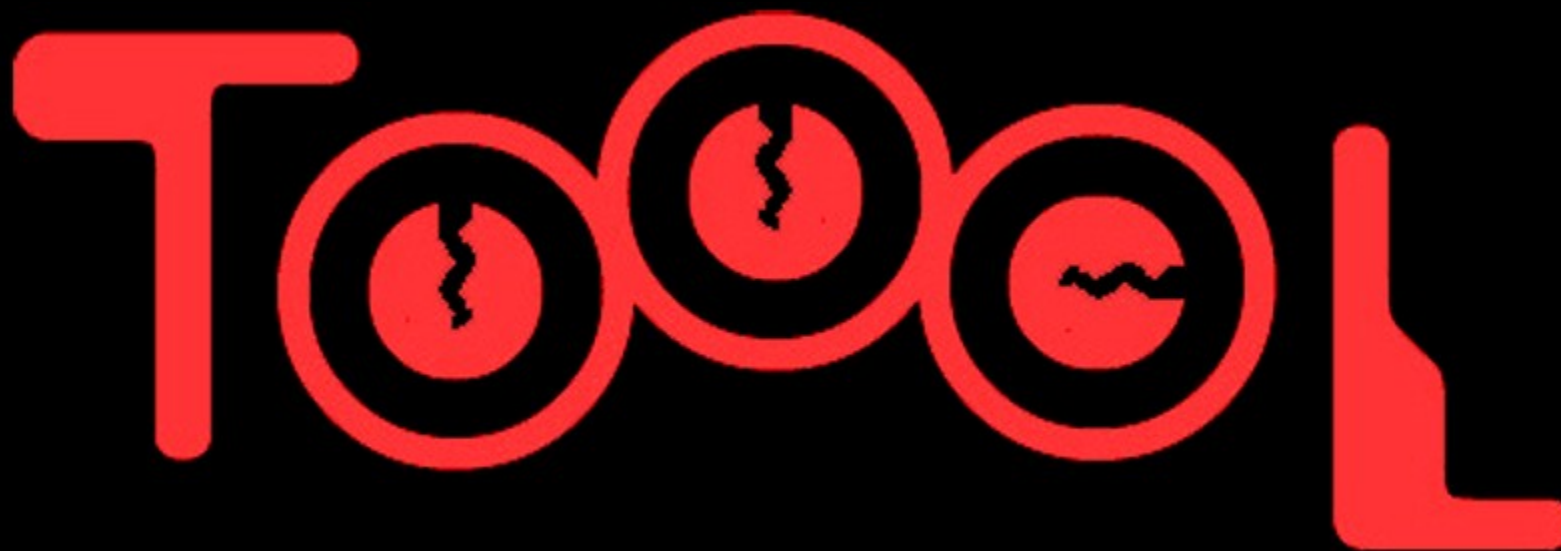


The “Ultimate” Handcuff Key





TOOOL did all the research



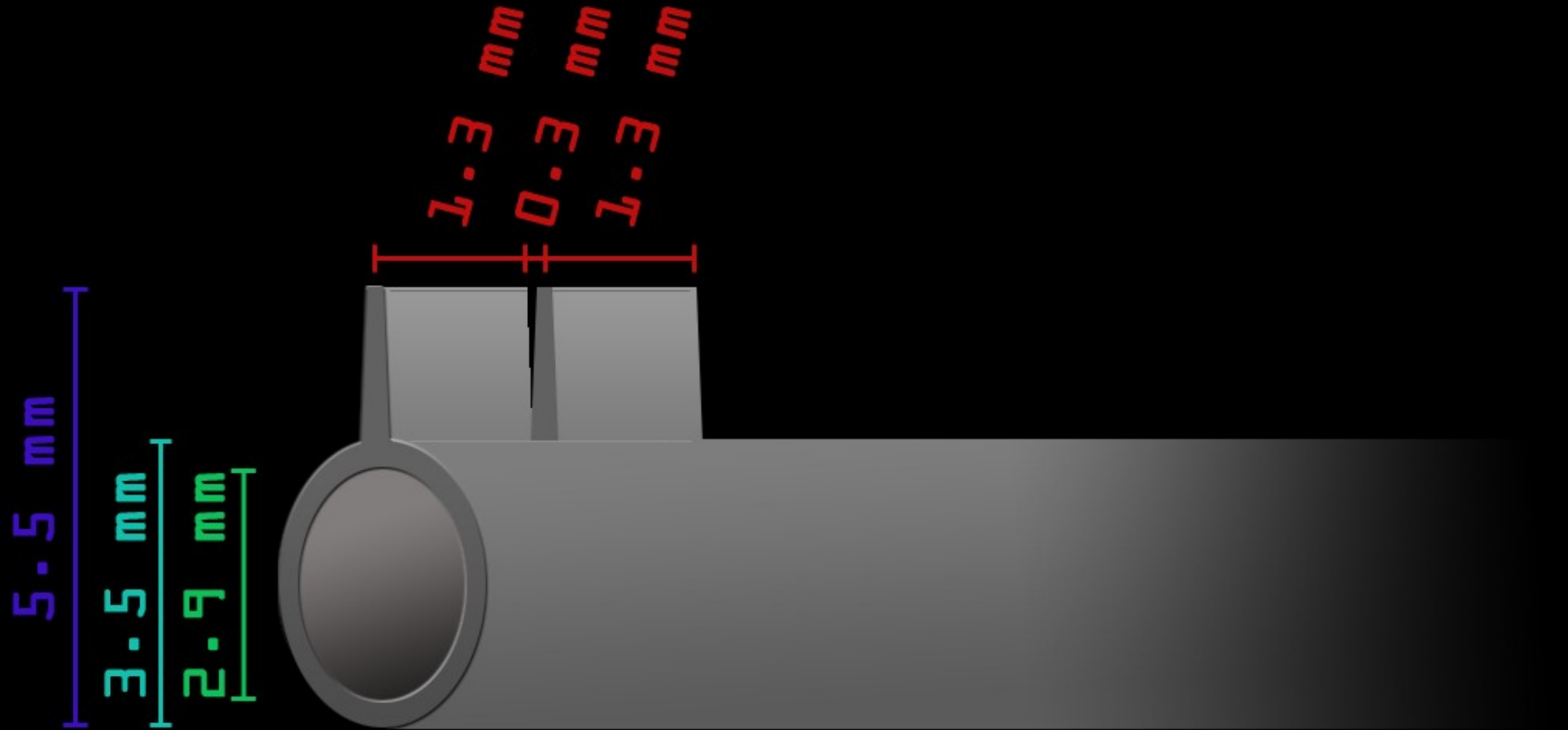
TOOOL holds the patent



TOOOL has no objection to personal fair use



So, what’s the easiest way to fabricate this yourself?



The “Ultimate” Handcuff Key

So, what’s the easiest way to fabricate this yourself?

make	model	key blade width	key blade rise	outer diameter	inner diameter
"standard"	no name	3.2	5.1	3.4	2.8
ASP	black tactical	3.3	5.3	3.2	2.5
chicago	X55	3.4	5.1	3.4	2.9
hiatts	silver, plain	3.7	4.8	3.4	2.6
hiatts	speedcuffs	3.7	4.8	3.4	2.6
kyungchang	kcg	4.1	5.6	3.5	2.8
peerless	700	3.4	5.1	3.4	2.8
republic arms	folding	3.4	5.1	3.3	2.7
smith & wesson	standard	3.1	5.5	3.5	2.8
valor	baloney cuffs	2.8	5.2	3.5	2.6
winchester	wn-40	3.4	5.2	3.45	2.7
yuil	m-09	3.9	5.75	3.9	2.5
yuil	m-03	3.9	5.75	3.9	2.5
zak	2-in-1 tool	3.4	5.0	3.45	2.95
	ultimate key...				

The “Ultimate” Handcuff Key

So, what’s the easiest way to fabricate this yourself?

make	model	key blade width	key blade rise	outer diameter	inner diameter
"standard"	no name	3.2	5.1	3.4	2.8
ASP	black tactical	3.3	5.3	3.2	2.5
chicago	X55	3.4	5.1	3.4	2.9
hiatts	silver, plain	3.7	4.8	3.4	2.6
hiatts	speedcuffs	3.7	4.8	3.4	2.6
kyungchang	kcg	4.1	5.6	3.5	2.8
peerless	700	3.4	5.1	3.4	2.8
republic arms	folding	3.4	5.1	3.3	2.7
smith & wesson	standard	3.1	5.5	3.5	2.8
valor	baloney cuffs	2.8	5.2	3.5	2.6
winchester	wn-40	3.4	5.2	3.45	2.7
yuil	m-09	3.9	5.75	3.9	2.5
yuil	m-03	3.9	5.75	3.9	2.5
zak	2-in-1 tool	3.4	5.0	3.45	2.95
	ultimate key...	2.9 mm blade			

The “Ultimate” Handcuff Key

So, what’s the easiest way to fabricate this yourself?

make	model	key blade width	key blade rise	outer diameter	inner diameter
"standard"	no name	3.2	5.1	3.4	2.8
ASP	black tactical	3.3	5.3	3.2	2.5
chicago	X55	3.4	5.1	3.4	2.9
hiatts	silver, plain	3.7	4.8	3.4	2.6
hiatts	speedcuffs	3.7	4.8	3.4	2.6
kyungchang	kcg	4.1	5.6	3.5	2.8
peerless	700	3.4	5.1	3.4	2.8
republic arms	folding	3.4	5.1	3.3	2.7
smith & wesson	standard	3.1	5.5	3.5	2.8
valor	baloney cuffs	2.8	5.2	3.5	2.6
winchester	wn-40	3.4	5.2	3.45	2.7
yuil	m-09	3.9	5.75	3.9	2.5
yuil	m-03	3.9	5.75	3.9	2.5
zak	2-in-1 tool	3.4	5.0	3.45	2.95
	ultimate key...	2.9 mm blade	5.5 mm rise		

The “Ultimate” Handcuff Key

So, what’s the easiest way to fabricate this yourself?

make	model	key blade width	key blade rise	outer diameter	inner diameter
"standard"	no name	3.2	5.1	3.4	2.8
ASP	black tactical	3.3	5.3	3.2	2.5
chicago	X55	3.4	5.1	3.4	2.9
hiatts	silver, plain	3.7	4.8	3.4	2.6
hiatts	speedcuffs	3.7	4.8	3.4	2.6
kyungchang	kcg	4.1	5.6	3.5	2.8
peerless	700	3.4	5.1	3.4	2.8
republic arms	folding	3.4	5.1	3.3	2.7
smith & wesson	standard	3.1	5.5	3.5	2.8
valor	baloney cuffs	2.8	5.2	3.5	2.6
winchester	wn-40	3.4	5.2	3.45	2.7
yuil	m-09	3.9	5.75	3.9	2.5
yuil	m-03	3.9	5.75	3.9	2.5
zak	2-in-1 tool	3.4	5.0	3.45	2.95
	ultimate key...	2.9 mm blade	5.5 mm rise	3.5 mm	

The “Ultimate” Handcuff Key

So, what’s the easiest way to fabricate this yourself?

make	model	key blade width	key blade rise	outer diameter	inner diameter
"standard"	no name	3.2	5.1	3.4	2.8
ASP	black tactical	3.3	5.3	3.2	2.5
chicago	X55	3.4	5.1	3.4	2.9
hiatts	silver, plain	3.7	4.8	3.4	2.6
hiatts	speedcuffs	3.7	4.8	3.4	2.6
kyungchang	kcg	4.1	5.6	3.5	2.8
peerless	700	3.4	5.1	3.4	2.8
republic arms	folding	3.4	5.1	3.3	2.7
smith & wesson	standard	3.1	5.5	3.5	2.8
valor	baloney cuffs	2.8	5.2	3.5	2.6
winchester	wn-40	3.4	5.2	3.45	2.7
yuil	m-09	3.9	5.75	3.9	2.5
yuil	m-03	3.9	5.75	3.9	2.5
zak	2-in-1 tool	3.4	5.0	3.45	2.95
	ultimate key...	2.9 mm blade	5.5 mm rise	3.5 mm	2.9 mm

The “Ultimate” Handcuff Key

So, what's the easiest way to fabricate this yourself?

make	model	key blade width	key blade rise	outer diameter	inner diameter
"standard"	no name	3.2	5.1	3.4	2.8
ASP	black tactical	3.3	5.3	3.2	2.5
chicago	X55	3.4	5.1	3.4	2.9
hiatts	silver, plain	3.7	4.8	3.4	2.6
hiatts	speedcuffs	3.7	4.8	3.4	2.6
kyungchang	kcg	4.1	5.6	3.5	2.8
peerless	700	3.4	5.1	3.4	2.8
republic arms	folding	3.4	5.1	3.3	2.7
smith & wesson	standard	3.1	5.5	3.5	2.8
valor	baloney cuffs	2.8	5.2	3.5	2.6
winchester	wn-40	3.4	5.2	3.45	2.7
yuil	m-09	3.9	5.75	3.9	2.5
yuil	m-03	3.9	5.75	3.9	2.5
zak	2-in-1 tool	3.4	5.0	3.45	2.95
	ultimate key...	2.9 mm blade	5.5 mm rise	3.5 mm	2.9 mm

The “Ultimate” Handcuff Key

So, what’s the easiest way to fabricate this yourself?

make	model	key blade width	key blade rise	outer diameter	inner diameter
"standard"	no name	3.2	5.1	3.4	2.8
ASP	black tactical	3.3	5.3	3.2	2.5
chicago	X55	3.4	5.1	3.4	2.9
hiatts	silver, plain	3.7	4.8	3.4	2.6
hiatts	speedcuffs	3.7	4.8	3.4	2.6
kyungchang	kcg	4.1	5.6	3.5	2.8
peerless	700	3.4	5.1	3.4	2.8
republic arms	folding	3.4	5.1	3.3	2.7
smith & wesson	standard	3.1	5.5	3.5	2.8
valor	baloney cuffs	2.8	5.2	3.5	2.6
winchester	wn-40	3.4	5.2	3.45	2.7
yuil	m-09	3.9	5.75	3.9	2.5
yuil	m-03	3.9	5.75	3.9	2.5
zak	2-in-1 tool	3.4	5.0	3.45	2.95
	ultimate key...	2.9 mm blade	5.5 mm rise	3.5 mm	2.9 mm



THANK YOU !




[HTTP://TOOOL.US](http://TOOOL.US)

[HTTP://DEVIATING.NET](http://DEVIATING.NET)



[HTTP://TOOOL.US](http://TOOOL.US)

[HTTP://DEVIATING.NET](http://DEVIATING.NET)

A close-up photograph of a person's arm wearing a black lace band. The band features a white fabric insert with a repeating pattern of pink handcuffs. The background is dark and out of focus.

*catch you on the
other side...*

*and in the
Lockpick
Village...*

*... see you
next year!*